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## **Machining & Manufacturing Technology**

**Degree Pathway** 

An Associates of Applied Science Degree emphasizes preparation in the applied arts and sciences for careers, typically at the technical or semi-professional level. This degree totals 63 credits. Consult with an advisor for more information.

- (**▶** ) are Systemwide Transfer Courses
- $(\bigstar$  ) are recommended for this degree pathway.

	Required Courses					
Course ID	Course Title	Credit Hours	Notes			
MC104	Machine Technology Math	2.00	Fall, Spring			
MC110	Bench Work	1.00	Fall			
MC111	Print Reading	3.00	Fall, Spring			
MC112	Quality Control and Inspection	1.00	Fall, Spring			
MC113	Metallurgy	1.00	Fall, Spring Prereq: MC110 BenchWork with a Grade of C or higher, and MC115 Machining I with a Grade of C or higher.			
MC114	Machine Tool Processes	1.00	Fall, Spring			
MC115	Machining I	3.00	Fall			
MC116	Machining II	3.00	Fall, Spring Prereq: MC110 BenchWork with a Grade of C or higher, and MC115 Machining I with a Grade of C or higher.			
MC117	CNC Operations	3.00	Fall, Spring Prereq: MC115 Machining I with a Grade of C or higher, or Departmental Consent.			
MC204	Machine Practices I	3.00	Fall Prereq: Departmental Consent.			
MC205	Machine Practices II	3.00	Fall, Spring Prereq: Departmental Consent, or MC204 Machine Practices I w/Grade of C or higher.			
MC206	CNC Operations-Advanced	3.00	Fall, Spring Prereq: MC117 CNC Operations.			
TR120	Work Ethics	2.00	Fall, Spring			
TR121	General Industrial Safety/OSHA10	1.00	Fall			
		Electiv	es			
Course ID	Course Title	Credit Hours	Notes			
	General Education Options	6.00				
AR101	Art Appreciation <b>T</b> ►	3.00	Fall, Spring, Summer			
AR104	Art History: Paleolithic to Medieval ъ	3.00	Fall			
AR105	Art History: Renaissance to Modern ъ	3.00	Spring			
AR106	Art in the Elementary Classroom T	3.00	Fall, Spring			
AR110	Drawing I <b>T</b> ▶	3.00	Fall			
BI100	Basic Concepts for Allied Health Studies	1.00	Fall, Spring, Summer			
BI101	General Biology <b>T</b> ▶	4.00	Fall, Spring, Summer			
BI102	Ecology of Environmental Problems <b>™</b>	3.00	Spring			

BI103	Human Anatomy and Physiology <b>T</b> ▶	6.00	Fall, Spring, Summer Prereq: Bi100 or Bi101 or Bi104 or Bi105 or Bi112 w/Grade of C.
BI104	Biology I T▶	5.00	Fall, Spring Prereq: CH101 General Chemistry, or CH105 Chemistry I with a C or Higher.
BI105	Biology II T▶	5.00	Spring Prereq: Bl101 General Biology, or Departmental Consent, or Bl104 Biology I.
BI112	General Microbiology <b>T</b> ▶	4.00	Fall, Spring, Summer Prereq: (Bl101,Bl103,Bl104,Bl105)Bl107 is not a valid prereq code.
BI115	Basic Radiation Biology	2.00	Spring Prereq: BI103 Human A&P.
BU105	Introduction to Business <b>™</b>	3.00	Fall, Spring, Summer
BU107	Personal Finance Ţ▶	3.00	Fall, Spring, Summer
BU108	Business Mathematics	3.00	Fall, Spring, Summer
BU109	Business Communications T	3.00	Fall, Spring, Summer
BU118	Introduction to Leadership Ţ▶	3.00	Fall, Spring
CH101	General Chemistry T	5.00	Fall, Spring, Summer Prereq: MA106 College Algebra, or MA117 Contemporary Math, or MA108 Elements of Statistics.
CH105	Chemistry I ႃъ	5.00	Fall, Spring Prereq: ACT Math Score of 21 or higher, or MA105 or higher math, or Accuplacer NextGen QuantReason, Alg, Stats Score 263 or Above, or Accuplacer Math Score of 81+.
CH106	Chemistry II T	5.00	Spring Prereq: CH105 Chemistry I with a C or Higher.
CH108	Principles of Organic and Biochemistry T	5.00	Fall Prereq: CH105 Chemistry I, or Departmental Consent.
CH201	Organic Chemistry I →	5.00	Fall Prereq: CH106 Chemistry II.
CH202	Organic Chemistry II <b>T</b> ►	5.00	Spring Prereq: CH201 Organic Chemistry I.
EC100	Macroeconomics <b>T</b> ▶	3.00	Fall, Spring, Summer
EC101	Microeconomics Ţ▶	3.00	Fall, Spring, Summer
ED105	Success Seminar/College Orientation	1.00	Fall, Spring, Summer
ED201	Introduction to Education T	3.00	Fall, Spring Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.
ED201L	Introduction to Education Practicum ъ	1.00	Fall, Spring Prereq: a GPA of 2.5 or higher, and PS100 General Psychology.
EN100	English Composition IB <b>™</b>	3.00	Fall, Spring, Summer Prereq: EN098 Intro to College Writing with a grade of C or higher, or Accuplacer Next Generation Writing Score of 240 to 254, or HS GPA over 2.25, or ACT English Score of 17 to 19.
EN101	English Composition IA <b>™</b>	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.0, or Accu NG Writing Score 255+ & Accu NG Reading Score 255+, and ACT Reading Score of 18 or above, or ACT English Score of 18 or above.
EN102	English Composition II T	3.00	Fall, Spring, Summer Prerea: EN101 English Composition IA with a grade of C or higher, or EN101H English Comp IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN107	Business English Grammar	3.00	Fall, Spring
EN108	Career and Technical Writing	3.00	Fall, Spring
EN120	Children's Literature Ţ▶	3.00	Fall, Spring
EN121	World Mythology	3.00	Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN122	Science Fiction Literature	3.00	Prereq: EN100 English Comp IB with a grade of C or higher, or EN101 English Composition IA with a grade of C or higher.
EN128	Introduction to Creative Writing T	3.00	Fall, Spring
EN201	Introduction to Literature T	3.00	Fall, Spring, Summer

EN202	British Literature l	3.00	Fall Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN203	British Literature II	3.00	Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN204	American Literature I ъ	3.00	Fall
EN205	American Literature II T	3.00	Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN206	Contemporary Literature		Prereq: EN101/G=C,EN100/G=C,EN103/G=C is not a valid prereq code.
EN207	Introduction to Shakespeare	3.00	Prereg: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN214	Introduction to Cultural Studies: Fairy Tales	3.00	Fall, Spring Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN215	Medieval Literature in Contemporary Society	3.00	Prereq: EN100 or EN101 or EN103 with a grade of C or higher.
EN216	Vampires in Literature and Film	3.00	Prereq: EN101 English Composition IA with a grade of C or higher, or EN100 English Comp IB with a grade of C or higher.
EN220	Poetry Writing	3.00	Prereq: EN128 Introduction to Creative Writing.
GE101	World Geography <b>T</b> ▶	3.00	Fall, Spring, Summer
GO100	American Government <b>T</b> ►	3.00	Fall, Spring, Summer
GO101	State and Local Government <b>T</b> ▶	3.00	Fall
GO102	International Relations T	3.00	Spring
GO110	Introduction to Political Science 7	3.00	Fall
GO110H	Honors Introduction to Political Science <b>T</b> ►	3.00	Fall
HI101	American History 1492-1865 <b>T</b> ►	3.00	Fall, Spring, Summer
HI102	American History 1865-Present <b>T</b> ►	3.00	Fall, Spring, Summer
HI103	World History to 1600 <b>T</b> ▶	3.00	Fall, Spring, Summer
HI104	World History Since 1600 <b>T</b> ▶	3.00	Fall, Spring, Summer
HI122	Film History of World War II	3.00	Spring
HI201	Topics in History	3.00	Spring
IS103	Microcomputer Literacy	2.00	Fall, Spring, Summer
IS104	Microcomputer Applications <b>™</b>	3.00	Fall, Spring, Summer
JL101	Introduction to Mass Communications T	3.00	Fall, Spring, Summer
LE101	Introduction to Criminal Justice T	3.00	Fall, Spring
MA106	College Algebra ть	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.25, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above, or ACT Math Score of 22 or Higher.
MA107	Plane Trigonometry <b>T</b>		Fall, Spring, Summer Prereq: MA106 College Algebra with a grade of C or higher, or ACT Math Score of 23 to 36.
MA108	Elements of Statistics <b>™</b>	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.0, or Accuplacer NG QuantReason, Alg, Stats Score 255 or Above, or ACT Math Score of 19 or Higher.
MA110	Calculus T	3.00	Fall, Spring, Summer Prereq: MA106 College Algebra with a grade of C or higher, or ACT Math Score of 23 to 36, or MA109 Pre-Calculus Math with a grade of C or higher.
MA111	Analytical Geometry and Calculus I Ђ	5.00	Fall, Spring, Summer Prereq: MA107 Plane Trigonometry with a grade of C or higher, or ACT Math Score of 25 to 36, or MA109 Pre-Calculus Math with a grade of C or higher.
MA113	Analytical Geometry and Calculus II T	5.00	Fall, Spring, Summer Prereq: MA111 with a grade of C or higher.
MA117	Contemporary Math T	3.00	Fall, Spring, Summer
MA201	Analytical Geometry and Calculus III	5.00	Fall, Summer Prereq: MA113 with a grade of C or higher.

MA206	Differential Equations <b>T</b> ▶	3.00	Fall, Spring
	·		Prereq: MAT13 with a grade of C or higher.
MU101	Music Appreciation T►		Fall, Spring, Summer
MU106	Music Theory I T▶		
MU107	Music Theory II T	3.00	Spring Prereq: MU106 Music Theory I.
MU127	Introduction To Jazz/Jazz Rock	3.00	Fall, Spring
MU206	Music Theory III	3.00	Fall Prereq: MU107 Music Theory II.
MU207	Music Theory IV	3.00	Spring Prereq: MU206 Music Theory III.
MU208	History of Art Music of the Western World	3.00	
PE105	Personal and Community Health T	3.00	Fall, Spring, Summer
PE122	Rhythms I	2.00	Fall
PE123	Rhythms II	2.00	Spring
PE126	Conditioning and Fitness Concepts I	1.00	Fall, Spring, Summer
PE127	Conditioning and Fitness Concepts II	1.00	Fall, Spring, Summer Prereq: PE126 Conditioning & Fitness Concepts I.
PE145	Golf	1.00	
PE151	Social Dance-Beginning	1.00	
PE156	Aerobic Dance	1.00	
PE173	Fitness for Life	1.00	Fall, Spring, Summer
PE178	Yoga I	1.00	
PL101	Introduction to Philosophy T	3.00	Fall, Spring, Summer
PL103	Logic and Critical Thinking <b>™</b>	3.00	Fall, Spring
PL104	Ethics Ţ▶	3.00	Fall, Spring, Summer
PL105	Death and Dying	3.00	Fall, Spring, Summer
PS100	General Psychology <b>T</b> ▶	3.00	Fall, Spring, Summer
PS101	Human Relations	3.00	Fall, Spring, Summer
PS102	Human Growth and Development <b>™</b>	3.00	Fall, Spring, Summer Prereq: PS100 General Psychology.
PS201	Psychology of Personality	3.00	Fall, Spring Prereq: PS100 General Psychology with grade of C or higher.
PS202	Abnormal Psychology	3.00	Fall, Spring, Summer Prereq: PS100 General Psychology.
PY102	Weather and Climate	3.00	Spring
PY103	Physical Geology T▶	<del> </del>	Fall, Spring, Summer
PY104L	Physical Geology Lab <b>T</b> ►		Fall, Spring, Summer
PY110	Physical Science T		Fall, Spring
PY112	General Physics I →	5.00	Fall, Spring Prereq: MA106 College Algebra or higher math.
PY113	General Physics II Ţ▶	5.00	Spring Prereq: PY112 Gen Physics I.
PY201	Engineering Physics I <b>T</b> ▶	5.00	Fall Prereq: MA111 Analytical Geometry & Calculus I, or MA112H Honors Analytical Geometry & Calculus.
PY202	Engineering Physics II <b>T</b> ▶	5.00	Spring Prereq: PY201 Eng Phys I with grade of C or better.
RE101	New Testament Literature <b>T</b> ►	3.00	Spring
RE102	Old Testament Literature ъ	3.00	Fall
RE106	Introduction to World Religions <b>™</b>	3.00	Spring
SH101	Public Speaking T	3.00	Fall, Spring, Summer
SH103	Oral Interpretation		Spring

SH122	Voice and Diction <b>™</b>	3.00	
<b>★</b> SH210	Interpersonal Communication T	3.00	Fall, Spring, Summer
SO100	Fundamentals of Sociology <b>™</b>		Fall, Spring, Summer
SO101	Marriage and Family <b>™</b>		Fall, Spring, Summer
SO103	Stress Management		Fall, Spring, Summer
SO104	Assertiveness Training		Fall, Spring, Summer
SO111	Cultural Anthropology <b>™</b>		Fall, Spring, Summer
SO113	Cultural Diversity T		Fall, Spring
SO122	Introduction to Social Work ъ	3.00	
SO201	Social Problems T▶	3.00	Fall, Spring, Summer Prereq: SO100 Fundamentals of Sociology.
SP100	Workplace Spanish	2.00	Fall
SP101	Elementary Spanish I Ţ▶	5.00	Fall, Spring, Summer
SP102	Elementary Spanish II Тр	5.00	Fall, Spring Prereq: SP101 Elementary Spanish I, or Departmental Consent, or SP104 Spanish II.
TH115	Theatre Appreciation Ţ▶		Fall, Spring, Summer
TH116	Acting I ႃъ	3.00	Fall
TH118	Stagecraft <b>™</b>	3.00	Fall
TH119	Stage Makeup	3.00	Fall
TH121	Acting II T	3.00	Fall Prereq: TH116 Acting I with a grade of C or better.
TH122	Voice and Diction ႃъ	3.00	
TH123	Theatre Practicum I T	1.00	Fall, Spring
TR100	Technical Math	3.00	Fall, Spring
TR120	Work Ethics	2.00	Fall, Spring
Machine 1	Technology Communication Options	3.00	
BU109	Business Communications T	3.00	Fall, Spring, Summer
EN100	English Composition IB <b>™</b>	3.00	Fall, Spring, Summer Prereq: EN098 Intro to College Writing with a grade of C or higher, or Accuplacer Next Generation Writing Score of 240 to 254, or HS GPA over 2.25, or ACT English Score of 17 to 19.
EN101	English Composition IA ™	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.0, or Accu NG Writing Score 255+ & Accu NG Reading Score 255+, and ACT Reading Score of 18 or above, or ACT English Score of 18 or above.
EN107	Business English Grammar	3.00	Fall, Spring
<b>★</b> EN108	Career and Technical Writing	3.00	Fall, Spring
Мас	hine Technology Math Options	3.00	
BU108	Business Mathematics	3.00	Fall, Spring, Summer
MA106	College Algebra T▶	3.00	Fall, Spring, Summer Prereq: HS GPA over 3.25, or Accuplacer NextGen QuantReason, Alg,Stats Score 263 or Above, or ACT Math Score of 22 or Higher.
MA117	Contemporary Math ⊤		Fall, Spring, Summer
<b>★</b> TR100	Technical Math	3.00	Fall, Spring
Machine	Technology Social Science Options	3.00	
PS100	General Psychology <b>T</b> ▶	3.00	Fall, Spring, Summer
PS100H	Honors General Psychology <b>T</b> ▶	3.00	
PS101	Human Relations	3.00	Fall, Spring, Summer
TR120	Work Ethics		Fall, Spring
Machi	ne Technology Technical Options	18.00	
AE100	AC/DC Circuits		Fall, Spring
	1	7.00	

AE105	Industrial Wiring	3.00	Spring
AE150	Programmable Logic Controls (PLCs)	3.00	Fall, Spring Prereq: AE100 AC/DC Circuits.
AE155	Electrical Maintenance	3.00	Fall, Spring Prereq: AE100 AC/DC Circuits.
AE200	Variable Frequency Drives and Electric Motors	3.00	Fall, Spring Prereq: ME110 Fundamentals of Motor Controls.
AE202	Actuator/Sensor Systems	3.00	Spring Prereq: AE155 Electrical Maintenance.
AE205	Intermediate Programmable Logic Controllers	3.00	Fall, Spring Prereq: AE150 Programmable Logic Controllers.
AE208	National Electrical Code	3.00	
AE250	Distributed/Integrated Control Systems	3.00	Fall, Spring Prereq: AE200 Variable Frequency Drives & Electric Motors, or AE205 Industrial PLCs.
AE252	Control Systems Development	3.00	Fall Prereq: AE200 Variable Frequency Drives & Electric Motors, or AE205 Industrial PLCs.
AE255	Industrial Robotics		Spring Prereq: AE150 Programmable Logic Controllers.
BU100	Small Business Accounting	3.00	Fall, Spring, Summer
BU105	Introduction to Business <b>™</b>	3.00	Fall, Spring, Summer
BU105H	Honors Introduction to Business <b>T</b> ▶	3.00	
BU107	Personal Finance <b>™</b>	3.00	Fall, Spring, Summer
BU107H	Honors Personal Finance	3.00	
BU127	Beginning Keyboarding	3.00	Fall, Spring
BU141	Sales Management	3.00	Fall, Spring, Summer
BU151	Introduction to Entrepreneurship	1.00	Fall, Spring
BU152	Marketing Applications for Entrepreneurs	1.00	Fall, Spring
BU153	Financial Management for Entrepreneurs	1.00	Fall, Spring
BU154	Business Management for Entrepreneurs	1.00	Fall, Spring
BU156	Developing the Business Plan	1.00	Fall, Spring
BU203	Management <b>™</b>	3.00	Fall, Spring, Summer
DR100	Computer Aided Drafting I	3.00	Fall, Spring, Summer
DR101	Technical Drafting	3.00	Fall, Spring
DR102	Machine Drafting	5.00	Fall, Spring Prereq: DR100 Computer Aided Drafting I.
DR102H	Honors Machine Drafting	5.00	Prereq: DR100 Computer Aided Drafting I.
DR119	Parametric Modeling I: Autodesk Inventor	3.00	Fall, Spring
DR211	Computer Aided Drafting II	3.00	Fall Prereq: DR100 Computer Aided Drafting I.
DR212	Architectural Drafting I	3.00	Fall, Spring
DR213	Architectural Drafting II	3.00	Fall, Spring Prereq: DR212 Architectural Drafting I.
DR215	Civil Drafting	3.00	Spring Prereq: DR100 Computer Aided Drafting I.
DR219	Parametric Modeling II: Autodesk Inventor	3.00	Fall, Spring Prereq: DR119 Parametric Modeling I: Autodesk Inventor.
DR220	Computer Drafting Capstone	3.00	Fall, Spring Prereq: DR119 Parametric Modeling I: Autodesk Inventor, or Departmental Consent, and DR212 Architectural Drafting I.
IS103	Microcomputer Literacy		Fall, Spring, Summer
IS104	Microcomputer Applications <b>™</b>	3.00	Fall, Spring, Summer
ME106	Industrial Fluid Power	3.00	Fall, Spring
ME107	Manufacturing Management	3.00	

ME110Fundamentals of Motor Controls3.00Fall, Spring Prereq: AE100 AC/DC Circuits.ME112Heating System Fundamentals3.00Fall, SpringME114Renewable Energy Technology3.00ME116Commercial Refrigeration4.00SpringME117Commercial Heating and Air Conditioning4.00Spring Prereq: ME115 HVAC Fundamentals, and EE203 Instrume Measurements, or ME116 Commercial Refrigeration.ME118Renewable Energy Technology Systems Analysis4.00Prereq: ME114 Renewable Energy Technology, and AE155 Maintenance, and ME115 HVAC Fundamentals.ME119Solar PV Fundamentals3.00Fall, SpringME122Solar PV Intermediate3.00Prereq: ME119 Solar PV Fundamentals.	
ME114       Renewable Energy Technology       3.00         ME116       Commercial Refrigeration       4.00       Spring         ME117       Commercial Heating and Air Conditioning       4.00       Spring Prereq: ME115 HVAC Fundamentals, and EE203 Instrume Measurements, or ME116 Commercial Refrigeration.         ME118       Renewable Energy Technology Systems Analysis       4.00       Prereq: ME114 Renewable Energy Technology, and AE155 Maintenance, and ME115 HVAC Fundamentals.         ME119       Solar PV Fundamentals       3.00       Fall, Spring	
ME116 Commercial Refrigeration  4.00 Spring  ME117 Commercial Heating and Air Conditioning  4.00 Spring  Spring  Prereq: ME115 HVAC Fundamentals, and EE203 Instrume Measurements, or ME116 Commercial Refrigeration.  ME118 Renewable Energy Technology Systems Analysis  4.00 Prereq: ME114 Renewable Energy Technology, and AE155 Maintenance, and ME115 HVAC Fundamentals.  ME119 Solar PV Fundamentals  3.00 Fall, Spring	
ME117 Commercial Heating and Air Conditioning  4.00 Spring Prereq: ME115 HVAC Fundamentals, and EE203 Instrume Measurements, or ME116 Commercial Refrigeration.  ME118 Renewable Energy Technology Systems Analysis  4.00 Prereq: ME114 Renewable Energy Technology, and AE155 Maintenance, and ME115 HVAC Fundamentals.  ME119 Solar PV Fundamentals  3.00 Fall, Spring	
ME117 Commercial Heating and Air Conditioning  4.00 Prereq: ME115 HVAC Fundamentals, and EE203 Instrume Measurements, or ME116 Commercial Refrigeration.  ME118 Renewable Energy Technology Systems Analysis  4.00 Prereq: ME114 Renewable Energy Technology, and AE155 Maintenance, and ME115 HVAC Fundamentals.  Solar PV Fundamentals  3.00 Fall, Spring	
ME118 Analysis 4.00 Maintenance, and ME115 HVAC Fundamentals.  ME119 Solar PV Fundamentals 3.00 Fall, Spring	ents &
	5 Electrical
ME122 Solar PV Intermediate 3.00 Prereg: ME119 Solar PV Fundamentals	
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ME124 Renewable Energy Technology Maintenance 4.00 Prereq: ME114 Renewable Energy Technology, and AE155 Maintenance, and ME115 HVAC Fundamentals.	5 Electrical
ME125 Engineering Technology Internship 3.00 Fall, Spring	
ME129 Mechanical Maintenance Skills 3.00 Fall, Spring	
ME131 EPA 608 1.00 Fall	
ME132 HVAC Load Calculations 1.00 Fall	
ME133 HVAC Duct Sizing 1.00 Fall	
ME134 HVAC Code Requirements 1.00 Fall	
ME135 Industrial Seminar 1.00	
ME136 Solar PV Advanced 3.00 Prereq: ME119 Solar PV Fundamentals, and ME141 Solar Fundamentals, and ME122 Solar PV Intermediate.	Battery
ME140 Low Pressure Boilers 3.00 Spring	
ME141 Solar Battery Fundamentals 3.00 Prereq: ME119 Solar PV Fundamentals.	
ME142 Solar Battery Intermediate 3.00 Prereq: ME119 Solar PV Fundamentals, and ME141 Solar Fundamentals, and ME122 Solar PV Intermediate.	Battery
WE100 Basic Welding 3.00 Fall, Spring	
WE102 Welding Blueprint Reading 3.00 Fall, Spring	
WE104 Shielded Metal Arc Welding 3.00 Fall	
WE105 Shielded Metal Arc Welding II  3.00 Fall, Spring Prereq: WE104 SMAW w/Grade of C or Higher, or Departr Consent.	mental
WE106 Cutting Processes for Welding 2.00 Fall	
WE110 Gas Metal Arc Welding 3.00 Fall, Spring	
WE111 Gas Metal Arc Welding II 3.00 Fall, Spring Prereq: WE110 Gas Metal Arc Welding w/Grade of C or Hi	gher.
WE112 Gas Tungsten Arc Welding 3.00 Fall, Spring	
WE113 Gas Tungsten Arc Welding II 3.00 Spring Prereq: WE112 GTAW w/Grade of C or Higher.	
WE115 Welding Layout and Calculations 2.00 Fall, Spring	
WE116 Flux Cored Arc Welding 2.00 Spring Prereq: WE110 Gas Metal Arc Welding w/Grade of C or Hi Departmental Consent, and WE111 Gas Metal Arc Welding C or Higher.	gher, or g II w/Grade of
WE117 Welding Inspection and Qualification I 2.00 Fall, Spring	
WE118 Industrial Robotic Welding 2.00 Fall, Spring Prereq: WE110 Gas Metal Arc Welding, or Departmental Company of the Company	Consent.
WE128 Welding Metallurgy 2.00 Fall, Spring	

**Total Credits: 63.00**